

CPD Course Descriptor	
Course title	Domestic stairs using visual building regulations
Hours	A minimum of 3 hours is anticipated on this course
Level	Level 9 equivalent (Irish National Framework Qualification)
Credits	There are no credits associated with this course
Delivery	Online, flexible, distance, mobile learning
Technology used in the design of the course	Moodle; Autodesk AutoCAD Architecture, Revit, Sketchbook; Adobe Acrobat, Photoshop; Sketchpad; Digital camera; Microsoft Powerpoint, Word, Excel; Articulate Storyline 3; YouTube; Google images; Open Badge Passport, Open Badge Factory; One drive, E-mail; QR code app
Entry criteria	All online participants must be graduates from an AEC or BE discipline
Enrolment via	www.cpdlearnonline.ie
Enrolment from	March 2019
Enrolment to	The course must be completed within one calendar month from the time of enrolment
Assessment	Competency based assessment with formative feedback
Conveyor	Irene Hayden

CPD Course Aim

To deliver a freely available multidisciplinary 3 hour online continuing professional development course demonstrating the use of a visual building regulation pedagogy for online learning in the context of Irish building regulation domestic stair requirements (2018) and best practice.

CPD Course Learning Outcomes

On successful completion of the course the online participant will have:

1. Been an active participant on this course.
2. Viewed an introduction video which explains why a visual building regulation pedagogy has been developed for online learning and what to expect from the continuing professional development course.
3. Successfully completed a quiz after viewing the introduction video. A minimum pass grade of 40% will have been achieved.
4. Received a minimum 80% pass grade in the teaching and learning section of the course. This is required to demonstrate a thorough and comprehensive knowledge, understanding, application and critical analysis of the Irish building regulation requirements for domestic stairs (2018). This element of assessment has been included in the teaching and learning artefacts which have been designed with a scaffolded approach applying a visual building regulation pedagogy for online learning.
5. Read 13 teaching and learning forums relating to best practice requirements for domestic stairs and will have meaningfully contributed to (One comment and one reply to another person's comment) a minimum of 5 forums, one in each of the following categories: Design, construction, occupation, maintenance and deconstruction of domestic stairs. The forums have been designed using an applied interaction pedagogy with some visual media included to focus discussion on the topic areas.

6. Successfully completed the final assessment with a minimum pass grade of 80%. This assessment has been designed using an applied immersive visual building regulation pedagogy using two 360-degree panorama views. The online participant will have therefore successfully demonstrated a basic competency in the critical analysis of a selection of the Irish building regulation requirements for domestic stairs (2018).

CPD Course Syllabus

The introduction video and the quiz will outline:

- The purpose of the course
- The pedagogy employed (i.e. applied visual interactive building regulation reusable learning objects employed within a visual building regulation pedagogy for online learning)
- The use of literacy skills for learning, particularly foundation literacy, visual literacy, digital literacy and media literacy
- The mode and medium options considered
- The use of multi-modal learning objects
- The use of semiotics currently employed for building regulation compliance
- The 'Moodle' Learning Management System (LMS)
- The use of digital badges and certification of learning achieved, and
- The introduction to a selection of online learning models considered when designing this course

The technical scope of this course covers:

- Domestic stairs
- Domestic stair enclosure

The scope of this course includes A and B below:

A. The domestic stairs

- TGD D, Materials and Workmanship, sub-section 1.5, Diagram 1, sub-section 1.6, Diagram 2 (DoHPCLG, 2013, pp 9 - 10).
- TGD B, Fire Safety Dwelling Houses Volume 2 (DoHPCLG, 2017).
 - ✓ Purpose group 1(a) Dwelling house with no storey with a floor level which is more than 4.5m above ground level, Table 0.1 (DoHPCLG, 2017a, p10).
 - ✓ Purpose group 1(b) Dwelling house with a storey with a floor level which is more than 4.5m above ground level, Table 0.1 (DoHPCLG, 2017a, p10).
 - ✓ Dwelling house can include any surgery, consulting rooms, office or other (professional rooms) accommodation not exceeding 50m² forming part of a dwelling house and used by the occupant of the dwelling house in a professional capacity. This can include a domestic garage within the envelope of the dwelling house (DoHPCLG, 2017a, p10).
 - ✓ Sub-section 1.3.1, 1.3.2, 1.3.3, Diagram 1, Diagram 2, Diagram 3 (b) and (c) only, sub-section 1.3.6.1, 1.3.6.2, 1.3.6.3, 1.3.8, 1.3.9.7, 1.3.9.8, 1.3.9.9, Diagram 6 (DoHPCLG, 2017a, pp 17 - 23, 26 - 28, 30).
 - ✓ Sub-section 2.3.2 (DoHPCLG, 2017, p30).
 - ✓ Sub-section 0.1.10, 0.1.11, 0.1.12, Appendix A, Appendix B, sub-section 3.4.1, 3.4.2, 3.4.4, 3.4.5, 3.5.1, 3.5.2, Diagram 9, sub-section 3.6.2 (c) only, Diagram 11 (DoHPCLG, 2017a, pp 10, 36 -38, 42, 69 -71, 79 - 81).
- TGD K, Stairways, Ladders, Ramps, Guards (DoHPCLG, 2014c).
 - ✓ 'Where works are carried out in accordance with the guidance in this document (Part K), this will, prima facie, indicate compliance with Part K of the Second Schedule to the Building Regulations' (DoHPCLG, 2014, p2).
- Supplementary guidance on the design of stairs to help achieve compliance with the Building Regulations, Table 3, Dwellings, Internal stairs only (DoHPCLG, 2014a, p6).

- TGD M, Access and Use, sub-section 3.2.2, par (c) only, sub-section 3.3.1, 3.3.2, 3.3.2.1, 3.3.2.2, Diagram 33 (DoHPCLG, 2010, pp 114 - 117).

B. The enclosure around the domestic stairs

- General interpretation of domestic stair enclosure requirements, focussing on the cross-over between the building regulation requirements for each element in an applied, contextualised manner.

The limitations to this course include:

- TGD A, Structures (DoHPCLG, 2012).
- TGD B, Fire Safety Dwelling Houses Volume 2 – the remainder of Part B (DoHPCLG, 2017a). Dwelling houses with more than one storey at a height of more than 4.5m, community dwelling houses, flats and apartments, dwelling houses with basements, loft conversions and extensions to existing dwellings.
- TGD C, Site Preparation and Resistance to Moisture (DoHPCLG, 2004).
- TDG D, Materials and Workmanship – remainder of Part D (DoHPCLG, 2013).
- TGD E, Sound (DoHPCLG, 2014b).
- TGD F, Ventilation (DoHPCLG, 2009).
- TGD K, Stairways, Ladders, Ramps, Guards (DoHPCLG, 2014c) – as follows:
 - ✓ 'The adoption of an approach other than that outlined in the guidance is not precluded provided that the relevant requirements of the Regulations are complied with' (DoHPCLG, 2014, p2).
 - ✓ Existing buildings (DoHPCLG, 2014c, p2).
 - ✓ Ramps, sub-section 1.2 (DoHPCLG, 2014c, p10).
 - ✓ Steps immediately outside the external door of the building (i.e. part of the building), sub-section 1.1.3 (DoHPCLG, 2014c, p5).
 - ✓ Semi-public stairs means stairs used by larger numbers of people, some of whom may be unfamiliar with the stairs e.g. common stairs serving more than one dwelling or apartment, Table 1 (DoHPCLG, 2014b, p6).
 - ✓ Public stairs, Table 1 (DoHPCLG, 2014b, p6).
 - ✓ Any series of three risers or less occurring at a change of level in a floor, balcony or roof and such like, sub-section 1.1.5 (DoHPCLG, 2014b, p7).
 - ✓ Tapered steps, sub-section 1.1.6 (DoHPCLG, 2014b, p7).
 - ✓ Loft conversions, sub-section 1.1.15 (DoHPCLG, 2014b, p9).
 - ✓ Fixed ladders, sub-section 1.1.9 and 1.1.16 (DoHPCLG, 2014b, pp7, 9).
 - ✓ Guarding design, Diagram 6 - only single family dwellings included, sub-section 2.4, 2.7, 2.8, 2.9, Diagram 7 – bottom illustration not included, Diagram 9, 10, 11 (DoHPCLG, 2014b, pp 7, 11).
 - ✓ Helical and spiral stairs are not included in this course.
- TGD L, Conservation of Fuel and Energy - Dwellings (DoHPCLG, 2017b).
- TGD M, Access and Use – remainder of Part M (DoHPCLG, 2010b).
- External stairs.

The 13 teaching and learning forums are:

Design

1. Consider health and safety issues in the context of building regulation compliance requirements
2. Consider the visibility of stair treads

Construction

3. Consider certification of assemblies
4. Consider current practices for building regulation certification

Occupation

5. Consider the owners and occupiers

6. Consider mixed ability users
7. Consider stair users with dementia
8. Consider the wellbeing of occupants

Maintenance

9. Consider management and maintenance issues
10. Consider mobility issues
11. Consider other retrospective issues

Deconstruction

12. Consider green requirements
13. Consider circular economy requirements

CPD Course Completion Criteria

All five points must be met:

1. Introduction to visual building regulations has been completed with a minimum pass grade of 40%
2. All teaching and learning requirements to demonstrate competencies have been completed with a minimum pass grade of 80%
3. All teaching and learning forums have been read
4. At least 5 teaching and learning forums have been meaningfully contributed to, with a minimum of 1 forum post and 1 comment on another persons' posts in each of the 5 categories: Design, construction, occupation, maintenance and deconstruction of domestic stairs
5. The final visual building regulation assessment has been completed with a minimum pass grade of 80%

CPD Course Awards

1. Digital badge: Introduction to visual building regulations (Valid for 12 months)
2. Digital badge: Domestic stairs using visual building regulations (Valid for 12 months)
3. CPD certificate: Domestic stairs using visual building regulations (Valid for 12 months)

Condition of Award

- The two digital badges are not transferable. Each digital badge is issued to the individual recipient, not their employer nor any other organisation they may report to represent
- The two digital badges and the CPD certificate are valid for 12 months from date of issue
- No liability is accepted for legal issues resulting from claims of a basic competency in the Irish building regulations or part thereof resulting from participation in and / or successful completion of this online CPD course
- No monetary value is placed on the digital badges nor the certificate

References

DoHPCLG (2004) 'Technical Guidance Document C Site Preparation and Resistance to Moisture'. Dublin: The Stationery Office, pp. 1–23.

DoHPCLG (2009) 'Technical Guidance Document F Ventilation'. Dublin: The Stationery Office, pp. 1–30.

DoHPCLG (2010a) 'Building Control Officer Part M 2010 Workshop'. Dublin: The Stationery Office, pp. 1–135.

DoHPCLG (2010b) 'Technical Guidance Document M Access and Use'. Dublin: The Stationery Office, pp. 1–127.

DoHPCLG (2012) 'Technical Guidance Document A Structure'. Dublin: The Stationery Office,

pp. 1–45.

DoHPCLG (2013) 'Technical Guidance Document D Materials and workmanship'. Dublin: The Stationery Office, pp. 1–14.

DoHPCLG (2014a) *Supplementary guidance on the design of stairs to help achieve compliance with the Building Regulations*. Dublin: The Stationery Office.

DoHPCLG (2014b) 'Technical Guidance Document E Sound'. Dublin: The Stationery Office, pp. 1–82.

DoHPCLG (2014c) 'Technical Guidance Document K Stairways, Ladders, Ramps and Guards'. Dublin: The Stationery Office, pp. 1–16.

DoHPCLG (2017a) 'Technical Guidance Document B Fire Safety Dwellings 2017'. Dublin: The Stationery Office, pp. 1–92.

DoHPCLG (2017b) 'Technical Guidance Document L Conservation of Fuel and Energy - Dwellings (January 2017 Edition)'. Dublin: The Stationery Office, pp. 1–81.